

IN THE CLAIMS

Please amend the claims as set forth below. Please cancel claims 20-23. Please add new claim 25 as set forth below.

Claims 1-23. (canceled)

Claim 24. (previously presented) A composition for transformation comprising:

- (a) a first DNA comprising a non-transposon heterologous DNA sequence inserted between a pair of inverted repeats of a piggyBac transposon wherein said piggyBac transposon is modified by deleting about 748 bp of internal piggyBac sequence by BglII-HpaI digestion, and at least one sequence encoding a fluorescent protein wherein said at least one sequence encoding a fluorescent protein is operatively linked to a polyubiquitin promoter obtained from *Drosophila melanogaster*, and
- (b) a second DNA encoding a piggyBac transposase that is under control of a heat-shock inducible promoter.

Claim 25. (New) A vector comprising:

- (a) a piggyBac transposon having a pair of inverted repeats wherein said transposon is modified by deleting about 748 bp of internal piggyBac sequence by BglII-HpaI digestion.

- (b) a marker cassette inserted into said deleted region wherein said cassette includes a fluorescent protein and is operatively linked to a *Drosophila melanogaster* polyubiquitin gene, and
- (c) a *Drosophila melanogaster* polyubiquitin gene operatively linked to said marker cassette.